

## Final 1998 Section 303(d) List - WRIA 18

<b>Water Name</b>	BAGLEY CREEK		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="text"/> None
<b>New Segment ID #</b>	YM49RG	<b>Old Segment ID #</b>	WA-18-1600
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	30N	<b>Waterbody Grid #</b>	
<b>Range</b>	05W	<b>Grid Latitude</b>	
<b>Section</b>	08	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Clallam County Water Quality Division data (submitted by Joel Freudenthal on 10/7/91) show 1 excursion at the mouth between 7/23/91 and 9/24/91.		
<b>Remarks</b>	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing		

<b>Water Name</b>	BAGLEY CREEK		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="text"/> TMDL
<b>New Segment ID #</b>	YM49RG	<b>Old Segment ID #</b>	WA-18-1600
<b>Stream Route #</b>	1.838	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	30N	<b>Waterbody Grid #</b>	
<b>Range</b>	05W	<b>Grid Latitude</b>	
<b>Section</b>	16	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Clallam County Water Quality Division data (submitted by Joel Freudenthal on 10/7/91) show 2 excursions beyond the criterion at Hwy 101 between 7/23/91 and 9/24/91.		
<b>Remarks</b>			

<b>Water Name</b>	BELL CREEK		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	ZX80OV	<b>Old Segment ID #</b>	WA-18-1100
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	30N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	22	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Clallam County, 1991 shows 5 excursions beyond the upper criterion near the mouth between 1986 and 1991.		
<b>Remarks</b>			

<b>Water Name</b>	BELL CREEK		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	ZX80OV	<b>Old Segment ID #</b>	WA-18-1100
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	30N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	22	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Determan, 1986, No raw data were presented. Samples were collected by the City of Sequim at Schmuck Road Bridge (RM 0.2). From the report "Bell Creek FC data (M. Adolfson, Brown and Caldwell, personal communication) from 30 samples collected between July and October 1985 ranged from 133 to 13,700 FC per 100 mL with a geometric mean of 2,188 FC per 100 mL. All of the samples exceeded the 100 FC per 100 mL. Thus, Bell Creek violated both parts of the water quality standards."		
<b>Remarks</b>			

<b>Water Name</b>	CASSALERY CREEK		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	JE42HJ	<b>Old Segment ID #</b>	WA-18-1300
<b>Stream Route #</b>	0	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	31N	<b>Waterbody Grid #</b>	
<b>Range</b>	03W	<b>Grid Latitude</b>	
<b>Section</b>	32	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Clallam County Water Quality Division data (submitted by Joel Freudenthal on 10/7/91) show 3 excursions beyond the upper criterion at the mouth on 7/23/91, 8/20/91 and 9/24/91.		
<b>Remarks</b>			

<b>Water Name</b>	DRY CREEK		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	XN56VX	<b>Old Segment ID #</b>	WA-18-1900
<b>Stream Route #</b>	2.767	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	30N	<b>Waterbody Grid #</b>	
<b>Range</b>	07W	<b>Grid Latitude</b>	
<b>Section</b>	12	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Lower Elwha Indian Tribal data (submitted by Michael McHenry on 9/10/93) show 22 excursions beyond the criterion at RM 2.5 between 7/92 and 9/92.		
<b>Remarks</b>			

<b>Water Name</b>	DUNGENESS RIVER		
<b>Parameter</b>	Instream Flow	<b>Mediu</b>	Habitat
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> Other Control
<b>New Segment ID #</b>	NJ31PC	<b>Old Segment ID #</b>	WA-18-1010
<b>Stream Route #</b>	1.235	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	31N	<b>Waterbody Grid #</b>	
<b>Range</b>	04W	<b>Grid Latitude</b>	
<b>Section</b>	43	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Hiss, 1993a.; Hiss, 1993b.; Clallam County, 1994.; Cable, 1993.; Cable, 1995. USGS flow gage at RM 1.0 ; SASSI, 1993., Spring and Summer Chinook and Pink Salmon are listed as a critical stock. Summer and Winter Steelhead and Coho Salmon are listed as depressed.		
<b>Remarks</b>			

<b>Water Name</b>	DUNGENESS RIVER		
<b>Parameter</b>	Thallium	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> None
<b>New Segment ID #</b>	NJ31PC	<b>Old Segment ID #</b>	WA-18-1020
<b>Stream Route #</b>	18.599	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	29N	<b>Waterbody Grid #</b>	
<b>Range</b>	04W	<b>Grid Latitude</b>	
<b>Section</b>	13	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	One excursion beyond National Toxics Rule (40 CFR Part 131) criterion at US EPA station 11R001 (Sequim Water Intake) on 6/7/78.		
<b>Remarks</b>	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

<b>Water Name</b>	DUNGENESS RIVER		
<b>Parameter</b>	Instream Flow	<b>Mediu</b>	Habitat
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> Other Control
<b>New Segment ID #</b>	NJ31PC	<b>Old Segment ID #</b>	WA-18-1020
<b>Stream Route #</b>	16.667	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	29N	<b>Waterbody Grid #</b>	
<b>Range</b>	04W	<b>Grid Latitude</b>	
<b>Section</b>	12	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Hiss, 1993a.; Hiss, 1993b.; Clallam County, 1994.; Cable, 1993.; Cable, 1995. USGS flow gage at RM 11.8; SASSI, 1993., Spring and Summer Chinook are listed as a critical stock. Summer and Winter Steelhead, Pink and Coho Salmon are listed as depressed.		
<b>Remarks</b>			

<b>Water Name</b>	ELWHA RIVER		
<b>Parameter</b>	Temperature	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	PB56KA	<b>Old Segment ID #</b>	WA-18-2010
<b>Stream Route #</b>	3.034	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	30N	<b>Waterbody Grid #</b>	
<b>Range</b>	07W	<b>Grid Latitude</b>	
<b>Section</b>	03	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Washington Dept. of Fish and Wildlife data show numerous excursions beyond the criterion at the inflow to the Elwha Hatchery.		
<b>Remarks</b>			

<b>Water Name</b>	ELWHA RIVER		
<b>Parameter</b>	PCB-1254	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	PB56KA	<b>Old Segment ID #</b>	WA-18-2010
<b>Stream Route #</b>	5.071	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	30N	<b>Waterbody Grid #</b>	
<b>Range</b>	07W	<b>Grid Latitude</b>	
<b>Section</b>	10	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Two excursions beyond National Toxics Rule (40 CFR Part 131) criterion at USGS station 12045500 (at McDonald Bridge near Port Angeles) in 1980.		
<b>Remarks</b>			

<b>Water Name</b>	MATRIOTTI CREEK		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	AZ07IY	<b>Old Segment ID #</b>	WA-18-1012
<b>Stream Route #</b>	0.381	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	31N	<b>Waterbody Grid #</b>	
<b>Range</b>	04W	<b>Grid Latitude</b>	
<b>Section</b>	35	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Clallam County Water Quality Division data (submitted by Joel Freudenthal on 10/7/91) show 3 excursions beyond the upper criterion at Olympic Game Farm on 4/17/91, 8/20/91 and 9/24/91.		
<b>Remarks</b>			

<b>Water Name</b>	MATRIOTTI CREEK		
<b>Parameter</b>	Fecal Coliform	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> TMDL
<b>New Segment ID #</b>	AZ07IY	<b>Old Segment ID #</b>	WA-18-1012
<b>Stream Route #</b>	3.059	<b>Water Resource Inventory Area</b>	18
<b>Township</b>	30N	<b>Waterbody Grid #</b>	
<b>Range</b>	04W	<b>Grid Latitude</b>	
<b>Section</b>	03	<b>Grid Longitude</b>	
<b>Basis for Consideration of Listing</b>	Clallam County Water Quality Division data (submitted by Joel Freudenthal on 10/7/91) show 3 excursions beyond the upper criterion at Cays Road on 4/17/91, 8/20/91 and 9/24/91.		
<b>Remarks</b>			

<b>Water Name</b>	PORT ANGELES HARBOR		
<b>Parameter</b>	Total PCBs	<b>Mediu</b>	Tissue
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-18-0020
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	18
<b>Township</b>		<b>Waterbody Grid #</b>	48123B4D3
<b>Range</b>		<b>Grid Latitude</b>	48.135
<b>Section</b>		<b>Grid Longitude</b>	123.435
<b>Basis for Consideration of Listing</b>	Crecelius, et al. 1989. , excursions beyond the criterion inedible fish tissue samples.		
<b>Remarks</b>	The National Toxic Rule criteria apply only to the specific isomers of PCBs. There is not a criterion for Total PCBs. It was an inappropriate application of the standards to apply a measurement containing all PCBs combined to a standard set for only a single component.		

<b>Water Name</b>	PORT ANGELES HARBOR		
<b>Parameter</b>	pH	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-18-0020
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	18
<b>Township</b>		<b>Waterbody Grid #</b>	48123B4D6
<b>Range</b>		<b>Grid Latitude</b>	48.135
<b>Section</b>		<b>Grid Longitude</b>	123.465
<b>Basis for Consideration of Listing</b>	Two excursions beyond the criterion at Ecology ambient monitoring station PAH003 on 6/2/86 and 11/9/87.		
<b>Remarks</b>	These excursions beyond the criterion have not been repeated and there is no evidence that a direct human caused influence is significant based on the 6/97 judgement of Jan Newton (Dept. of Ecology).		

<b>Water Name</b>	PORT ANGELES HARBOR		
<b>Parameter</b>	Dissolved Oxygen	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> Yes	<b>Listed in 1996</b>	<input type="checkbox"/> Yes <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-18-0020
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	18
<b>Township</b>		<b>Waterbody Grid #</b>	48123B4D6
<b>Range</b>		<b>Grid Latitude</b>	48.135
<b>Section</b>		<b>Grid Longitude</b>	123.465
<b>Basis for Consideration of Listing</b>	Six excursions beyond the criterion at Ecology ambient monitoring station PAH003 between 1985 and 1987.		
<b>Remarks</b>	Even though the dissolved oxygen of Port Angeles harbor has not been sampled for over 10 years, SWRO staff believe that it is still a problem based on the lack of biota and deep accumulations of bark. Ecology is scheduled to study the problem in FY 1999.		



<b>Water Name</b>	STRAIT OF JUAN DE FUCA (EAST)		
<b>Parameter</b>	Dissolved Oxygen	<b>Mediu</b>	Water
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-18-0010
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	18
<b>Township</b>		<b>Waterbody Grid #</b>	48123B3C5
<b>Range</b>		<b>Grid Latitude</b>	48.125
<b>Section</b>		<b>Grid Longitude</b>	123.355
<b>Basis for Consideration of Listing</b>	1 excursion beyond the criterion out of 10 samples (10%) at Ecology ambient monitoring station PAH008 between 9/91 and 9/96.;		
<b>Remarks</b>	A single excursion does not meet the Water Quality Program policy for listing. Also, these excursions beyond the criterion are a natural condition due to the influence from upwelled deep Pacific Ocean water based on the 6/97 judgement of Jan Newton (Dept. of Ecology).		

<b>Water Name</b>	STRAIT OF JUAN DE FUCA (EAST)		
<b>Parameter</b>	Dioxin	<b>Mediu</b>	Unknown
<b>Place on 1998 List?</b>	<input type="checkbox"/> No	<b>Listed in 1996</b>	<input type="checkbox"/> No <b>Action Needed</b> <input type="checkbox"/> None
<b>New Segment ID #</b>	390KRD	<b>Old Segment ID #</b>	WA-18-0010
<b>Stream Route #</b>		<b>Water Resource Inventory Area</b>	18
<b>Township</b>		<b>Waterbody Grid #</b>	48123B3C9
<b>Range</b>		<b>Grid Latitude</b>	48.125
<b>Section</b>		<b>Grid Longitude</b>	123.395
<b>Basis for Consideration of Listing</b>	Appears on the Section 304(l) short list. The basis for this listing is not known since the segment was added to the list by EPA and data was not submitted to Ecology.		
<b>Remarks</b>	TMDL based on the permit for ITT Rayonier at Port Angeles submitted 3/9/92. EPA approved the TMDL on 7/14/92.		